

State of Missouri
Department of Natural Resources
Land Reclamation Program
P.O. Box 176
Jefferson City, MO 65102
(573) 751-4041

Coal Exploration Application Form
For
Removing More Than 250 Tons Of Coal Or Where Exploration Will
Substantially Disturb The Natural Land Surface

Application type (check one) 1 Application date _____
 2a [] New permit no. _____
 2b [] Renewal of permit no. _____
 3 [] Revision of permit no. _____

10 CSR 40-6.020
(3)(B)1.

4 Name of Applicant	
5 Address (number and street or P.O. Box)	
6 City, Town, State, and Zip code	7 Phone number

10 CSR 40-6.020
(3)(B)2.

8 Name of applicant's representative who will be present when, and responsible for, conducting exploration activities	
9 Address (number and street or P.O. box)	
10 City, town, state, and Zip code	11 Phone number

Applicant's status (check one) 12 [] Single Proprietorship 15 [] Partnership
 13 [] Corporation 16 [] Association
 14 [] Other (specify) _____

Proposed dates of exploration activity 17 _____ through _____

VERIFICATION OF EXPLORATION PERMIT APPLICATION

10 CSR 40-6.010(7)

The responsible official of the applicant*, being first duly sworn, states to the best of the official's knowledge and belief that the information furnished in this application is correct and complete.

*If the person signing below is neither the applicant nor an officer of the applicant, please provide documentation which verifies the signatory's authority to represent the applicant.

SIGNATURE OF THE RESPONSIBLE OFFICIAL OF THE APPLICANT		DATE
TITLE		
NOTARY PUBLIC EMBOSSE SEAL	STATE	COUNTY (OR CITY OF ST. LOUIS)
	SUBSCRIBED AND SWORN BEFORE ME, THIS	
	DAY OF	20
	SIGNATURE OF NOTARY PUBLIC	MY COMMISSION EXPIRES
NOTARY PUBLIC NAME (TYPED OR PRINTED)		USE RUBBER STAMP IN CLEAR AREA BELOW

Location of proposed **18** _____

10 CSR 40-6.020 **19** Describe the proposed exploration area. Discuss
(3)(B)3. topography, soil, and vegetation.

19 _____

10 CSR 40-4.010 **20** Will any roads or transportation facilities be
(3)(B) constructed for exploration use? (yes/no) 20a _____
If yes, compliance is required with 10 CSR 40-3.140
(1) through (23).

10 CSR 40-4.010 **21** Will any excavation, embankment, or artificially flat area be created during exploration?
(yes/no) 21a _____ If yes, describe the extent of the disturbance (e.g., test pit dimensions, volume of earth material moved, etc.) and the equipment and methods used to conduct the exploration work and return all such areas to approximate original contours.

21b _____

10 CSR 40-4.010 **22** Will any topsoil be removed? (yes/no) 22a ____ If
(3) (D) yes, state the surface area of the disturbance and

describe the equipment and methods used to remove, store, and redistribute topsoil on areas disturbed by coal exploration activities.

22b _____

23 Identify the land use(s) for all disturbed areas to be reclaimed.

23 _____

24 Describe how disturbed areas will be revegetated or reseeded.

24 _____

25 Will there be any diversions of streams or overland flows? (yes/no) 25a _____ If yes, describe the location, design, construction and maintenance of diversions

25b _____

26 Describe methods to prevent or control additional contribution of suspended solids to streamflow and runoff outside the disturbed area.

26 _____

Lines 27 through 29 describe the plan to reclaim exploration holes, boreholes, or wells created during exploration.

27 What methods will be used to dispose of drill cuttings?

27 _____

28 Describe how and when each drill hole will be plugged.

28 _____

10 CSR 40-3.020

29 Will any exploration hole function as a groundwater monitoring site? (yes/no) 29a _____ If yes, Describe how each well or hole designated as a monitoring site will be cased, sealed, or otherwise managed to prevent contamination of groundwater. Further, describe how the well will be protected from damage.

29b _____

10 CSR 40-3.040
(14)

30 Will any monitoring site be used as a permanent water well? (yes/no) 30a _____ If yes, give the location of the site.

30b _____

10 CSR 40-4.010
(3)(H)

31 Describe all facilities or equipment which might remain in the exploration area after exploration activities have concluded.

31 _____

10 CSR 40-4.010
(3)(I)

32 Describe what steps will be taken to minimize disturbance of the prevailing hydrologic balance.

10 CSR 40-3.040
(1)-(3), (5)-(7)
and (9)-(12)

32 _____

10 CSR 40-4.010
(3)(J)
10 CSR 40-3.040(9)

33 Identify acid-forming or toxic-forming materials that may be disturbed during exploration activity and describe the acid-forming or toxic-forming materials handling plan.

33 _____

10 CSR 40-3.080
(1)-(7)

34 Will coal processing wastes be generated as part of the exploration activity? (yes/no) 34a _____ If yes, describe method for handling coal processing waste.

34b _____

10 CSR 40-3.080
(8)

35 Will noncoal waste be disposed within areas disturbed by the exploration activity? (yes/no) 35a _____ If yes, describe the noncoal waste handling plan.

35b _____

10 CSR 40-6.020
(3)(B)5.

36 Give an approximate timetable for conducting and completing each phase of exploration and reclamation.

36 _____

10 CSR 40-6.020
(3)(B)6.

37 Estimate the amount of coal to be removed and describe the methods used to determine that amount.

37 _____

10 CSR 40-6.020
(3)(B)7.

38 Will more than two hundred and fifty (250) tons of coal be extracted as part of the exploration activity? (yes/no) 38a _____ If yes, state why

extraction of this amount of coal is necessary for exploration.

38b _____

10 CSR 40-6.020
(3)(B)8. A.- D.

39 Provide documentation of an investigation into the cultural, historical, and archaeological resources within the proposed exploration area.

10 CSR 40-6.020
(3)(B)9.
10 CSR 40-5.020
(1)(B)2.
10 CSR 40-5.010
(1)(L)

40 Provide documentation from the Missouri Department of Conservation (DOC) and United States Fish and Wildlife Service (USFWS) of investigation into whether rare, endangered, or otherwise listed species will be affected during coal exploration. Include copies of your request for information and the agencies' responses. When requesting information from DOC on the presence or absence of endangered species, include a specific request that they provide you with information on "habitats of unusually high value, including those sites listed as having significance in the Missouri Natural Features Inventory". Copies of letters from both DOC and USFWS confirming clearance to proceed with your operation are required.

10 CSR 40-6.020
(3)(B)10.

41 Have the investigations listed in lines 41 and 42 revealed the presence of resources that require protection? (yes/no) 41a _____ If yes, describe measures to be used to protect these resources.

41b _____

10 CSR 40-6.020
(3)(B)11.

42 Provide the name and address of the owner of record of the surface land and of the subsurface mineral estate of the area to be explored.

42 _____

10 CSR 40-6.020
(3)(B)12.

43 Provide a map or maps at a scale of 1:24,000 or larger showing the areas of land to be disturbed by the proposed exploration and reclamation.

10 CSR 40-6.020
(3)(B)13.

- 44** Is the surface of the proposed exploration area owned by a person other than the applicant?
(yes/no) 44a ____ If yes, provide a description of the basis upon which the applicant claims the right to enter that land for the purpose of conducting exploration and reclamation.

44b _____

10 CSR 40-6.020
(3)(C)

- 45** Provide a copy of the proposed public notice.

Lines 46 through 49 address the commercial use or sale of coal to test for coal properties.

10 CSR 40-6.020
(5)(A)

- 46** Give the name of the testing firm and the location at which the coal test burn will be conducted.

46 _____

10 CSR 40-6.020
(5)(B)1.- 3.

- 47** Submit a statement from the end user of the coal giving the specific reason for the test, including why the coal may be so different from the intended user's other coal supplies as to require testing, the amount of coal necessary for the test and why a lesser amount is not sufficient, and a description of the specific tests that will be conducted.

10 CSR 40-6.020
(5)(C)

- 48** Provide evidence that the amount of coal to be removed is not the total reserve, but is a sampling of a larger reserve.

48 _____

10 CSR 40-6.020
(5)(D)

- 49** Explain why other means of exploration are not adequate to determine the quality of coal, feasibility of developing a surface coal mining operation, or both.

49 _____